

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SALMAN AKRAM
ALAN G. WOOD

Continuation of Serial No 10/351,742
filed on 01/27/2003

ART UNIT:

Serial No.:

EXAMINER:

Filing Date: September 9, 2003

For: SILICON CARBIDE CONTACT FOR
SEMICONDUCTOR COMPOENNTS
(as amended)

Attorney Docket No. 99-0703.3

INFORMATION DISCLOSURE STATEMENT
September 11, 2003

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following sections are being submitted for this Information
Disclosure Statement:

1. x Preliminary Statements
2. x FORM PTO SB/08
3. Statement As to Information Material to
Examination Not Found in Patents or Publications.
4. x Identification of Prior Application in Which Listed
Information Was Already Cited and For Which No Copies
are Submitted Or Need be Submitted.
5. Cumulative Patents or Publications.
6. Copies of Listed Information Items Accompanying
This Statement.

7. _____ Concise Explanation of Non-English Language Listed Information Items.
8. _____ Translation(s) of Non-English Language Documents.
9. x Identification of Person(s) Making This Information Disclosure Statement.

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

The person making this statement is

(a) _____ the inventor(s) who signs below

SIGNATURE OF INVENTOR

Name of Inventor

(b) x the attorney who signs below on the basis of:

_____ the information supplied by the inventor(s)

_____ an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))

 x the information in the attorney's file.

Section 3. Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies are Submitted or Needed Be Submitted.

This application relies, under 35 U.S.C. 120, on the earlier filing date of application serial no. 10/351,742 filed on January 27, 2003, which is a continuation of Serial No. 09/480,027, filed on January 10, 2000, Patent No. 6,563,215B1.

The attached list of references were submitted to and/or cited by the Office in these prior applications and, therefore, are not required to be provided in this application.

DATED this 11th day of September, 2003.

Respectfully submitted:



Stephen A. Gratton
Registration No. 28,418
Attorney for Applicants

2764 South Braun Way
Lakewood, CO 80228
Telephone: (303) 989 6353
FAX: (303) 989 6538

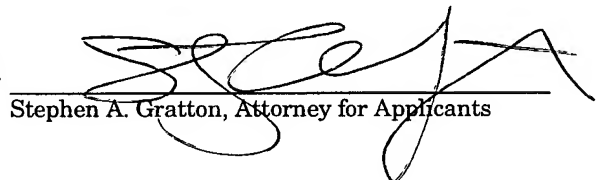
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label Number EU 013 024 527US

Date of Deposit: September 11, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450.

September 11, 2003
Date of Signature


Stephen A. Gratton, Attorney for Applicants

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if KnownSheet **1** of **4**

Application Number	
Filing Date	09/11/2003
First Named Inventor	SALMAN AKRAM
Art Unit	
Examiner Name	
Attorney Docket Number	99-0703.3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US- 3,962,391	06/08/1976	Dietze et al.	
	B	US- 4,093,201	06/06/1978	Dietze et al.	
	C	US- 4,203,940	05/20/1980	Dietze et al.	
	D	US- 4,978,567	12/18/1990	Miler	
	E	US- 5,031,072	07/09/1991	Malhi et al.	
	F	US- 5,145,741	09/08/1992	Quick	
	G	US- 5,419,807	05/30/1995	Akram et al.	
	H	US- 5,478,779	12/26/1995	Akram	
	I	US- 5,483,741	01/16/1996	Akram et al.	
	J	US- 5,519,332	05/21/1996	Wood et al.	
	K	US- 5,556,530	09/17/1996	Finkelstein et al.	
	L	US- 5,578,526	11/26/1996	Akram et al.	
	M	US- 5,592,736	01/14/1997	Akram et al.	
	N	US- 5,686,317	11/11/1997	Akram et al.	
	O	US- 5,716,218	02/10/1998	Farnworth et al.	
	P	US- 5,776,391	07/07/1998	Sibley	
	Q	US- 5,789,278	08/04/1998	Akram et al.	
	R	US- 5,818,071	10/06/1998	Loboda et al.	
	S	US- 5,869,974	02/09/1999	Akram et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	
		Filing Date	09/11/2003
		First Named Inventor	SALMAN AKRAM
		Art Unit	
Examiner Name			
Attorney Docket Number	99-0703.3		
Sheet	2	of	4

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	T	US- 5,877,516	03/02/1999	Mermagen et al.	
	U	US- 5,911,864	06/15/1999	Eldridge	
	V	US- 5,915,977	06/29/1999	Hembree et al.	
	W	US- 5,931,685	08/03/1999	Hembree et al.	
	X	US- 5,962,921	10/05/1999	Farnworth et al.	
	Y	US- 6,040,702	03/21/2000	Hembree et al.	
	Z	US- 6,060,891	05/09/2000	Hembree et al.	
	AA	US- 6,068,669	05/30/2000	Farnworth et al.	
	AB	US- 6,078,186	06/20/2000	Hembree et al.	
	AC	US- 6,091,250	07/18/2000	Wood et al.	
	AD	US- 6,091,251	07/18/2000	Wood et al.	
	AE	US- 6,091,252	07/18/2000	Akram et al.	
	AF	US- 6,094,058	07/25/2000	Hembree et al.	
	AG	US- 6,107,109	08/22/2000	Akram et al.	
	AH	US- 6,215,322B1	04/10/2001	Farnworth et al.	
	AI	US- 6,222,379B1	04/24/2001	Farnworth et al.	
	AJ	US- 6,229,324B1	05/08/2001	Akram et al.	
	AK	US- 6,232,243B1	05/15/2001	Farnworth et al.	
	AL	US- 6,242,935B1	06/05/2001	Akram	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	09/11/2003
First Named Inventor	SALMAN AKRAM
Art Unit	
Examiner Name	
Attorney Docket Number	99-0703.3

Sheet 3

of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AM	US- 6,255,833B1	07/03/2001	Akram et al.	
	AN	US- 6,258,609B1	07/10/2001	Farnworth et al.	
	AO	US- 6,259,036B1	07/10/2001	Farnworth	
	AP	US- 6,263,566B1	07/24/2001	Hembree et al.	
	AQ	US- 6,265,245B1	07/24/2001	Farnworth et al.	
	AR	US- 6,275,052B1	08/14/2001	Hembree et al.	
	AS	US- 6,278,286B1	08/21/2001	Farnworth et al.	
	AT	US- 6,285,202B1	09/04/2001	Hembree	
	AU	US- 6,285,203B1	09/04/2001	Akram et al.	
	AV	US- 6,294,837B1	09/25/2001	Akram et al.	
	AW	US- 6,297,653B1	10/02/2001	Hembree	
	AX	US- 6,297,660B2	10/02/2001	Farnworth et al.	
	AY	US- 6,300,782B1	10/09/2001	Hembree et al.	
	AZ	US- 6,307,394B1	10/23/2001	Farnworth et al.	
	BA	US- 6,310,484B1	10/30/2001	Akram et al.	
	BB	US- 6,313,651B1	11/06/2001	Hembree et al.	
	BC	US- 6,314,641B1	11/13/2001	Akram	
	BD	US- 6,340,894B1	01/22/2002	Farnworth et al.	
	BE	US- 6,353,326B2	03/05/2002	Hembree et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	
		Filing Date	09/11/2003
		First Named Inventor	SALMAN AKRAM
		Art Unit	
Examiner Name		Attorney Docket Number	99-0703.3
Sheet	4	of	4

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	BF	US- 6,359,456B1	03/19/2002	Hembree et al.	
	BG	US- 6,362,637B2	03/26/2002	Farnworth et al.	
	BH	US- 6,383,825B1	05/07/2002	Farnworth et al.	
	BI	US- 6,392,429B1	05/21/2002	Hembree et al.	
	BJ	US- 6,400,174B2	06/04/2002	Akram et al.	
	BK	US- 6,414,506B2	07/02/2002	Akram et al.	
	BL	US- 6,563,215	05/13/2003	Akram et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.